Position Summary: The Department of Biostatistics & Data Science at the University of Kansas Medical Center is recruiting a tenure track faculty member, working in the areas of data science and population health, to join a vibrant group of faculty, staff, and students who will collaborate across the medical center and within the department. The Department leads a number of initiatives to support medical research, such as the Curated Cancer Clinical Outcomes Database (a cancer research facilitator and recruitment tool, PMID: 31798300), OPTIK (a tool for understanding the characteristics of a cancer center catchment area, PMID: 32719846), collaboration with Cerner's Learning Health Network, working with Epic's Cosmos (a very large de-identified medical record dataset), updating the informatics infrastructure for the nationally designated Alzheimer's Disease Center, as well as funded projects related to cancer, plastic surgery, the genetics of neurological disorders, and others. We are now looking to expand our pool of faculty in this area. The recruitment is at the assistant or associate professor level and will be based upon the candidate's experience and accomplishments. This opportunity will allow a faculty member to utilize their existing skill sets to enhance the department efforts, along with learning and growing from the knowledge gained through collaborative and independent research, teaching, and mentoring. The department consists of 24 Ph.D. statisticians, 3 teaching associates and 23 staff members that include masters level statisticians, informaticians, information systems personnel, and administrative personnel. Expertise within the department includes linear, nonlinear, and longitudinal modeling, clinical trial and experimental design, observational studies, survival analysis, categorical data analysis, statistical omics, bioinformatics, data integration, machine learning, and Bayesian methodology.

Key Roles and Responsibilities:
- Teach data science and/or biostatistics courses for graduate students in biostatistics, applied statistics, analytics, data science, and other disciplines.
- Conduct research on novel data science methodologies and biomedical applications using electronic health records and real-world data resources.
- Other duties as assigned by department chair.

Qualifications:
- PhD in Data Science, Computer Science, Biostatistics, Statistics, Biomedical Informatics, or related fields.
- Formal training in statistics and data analytics.
- Able to effectively communicate with faculty, staff, students, and researchers from diverse academic backgrounds and fields.
- Excellent written and verbal communication skills.
- Research in the area of data science and analytics, and observational data.
- Deep understanding of using data from EHR systems for clinical/medical research.
- Experience with Python, Python Notebooks, R, and R Notebooks.
- Interdisciplinary scholarship experience and a commitment to translating research into practice.

Preferred Qualifications:
- Teaching experience in data science, statistics, or informatics.
- Experience with the Epic EHR and Cosmos.
- Research interests in working with health databases, large datasets, and complex relational data models.
- Experience with clinical decision support.
- Experience or research interest in rural health.
- Experience with innovative study designs and inclusion of complex data (e.g. EHR data, wearables devices, mobile health).

Specific questions related to the posting should be directed to:
Lynn Chollet-Hinton, PhD
Search Committee Chair
lhinton@kumc.edu

To Apply:
https://kumc.wd5.myworkdayjobs.com/kumc-jobs
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